

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)	
	)	
<b>Bock <i>et al.</i></b>	)	
	)	Group Art Unit: Unassigned
Serial No.: Unassigned	)	
	)	
Filed: Herewith	)	Examiner: Unassigned
	)	
For: <b>"HUMAN ANTITHROMBIN IIIS AND</b>	)	
<b>METHOD RELATED THERETO"</b>	)	

jc971 U.S. PTO  
10/014658  
12/11/01

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

NEEDLE & ROSENBERG, P.C.  
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Atlanta, Georgia 30303-1811

December 11, 2001

Sir:

Submitted herewith are copies of forms PTO-1449 filed in the parent application (U.S. Serial No. 09/305,588) with the parent application's docket number, serial number, filing date and group art number (if assigned) struck through and those of the present application written in. Each of the references listed on the forms PTO-1449 were either submitted to or cited by the Examiner and are of record in the parent application. Thus, copies are not provided.

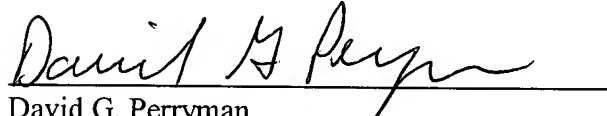
Consideration of the cited documents and making the same of record in the prosecution of the above-noted application are respectfully requested.

It is believed that this paper is being timely filed and that no fee is required for filing thereof. However, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

ATTORNEY DOCKET NO. 21101.0004U3  
SERIAL NO.: Unassigned

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.

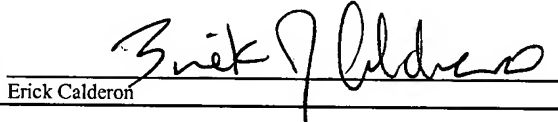


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CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, No. EL924206009US in an envelope addressed to: Box Patent Application, Commissioner for Patents, Washington, D.C. 20231, on this 11th day of December, 2001.

  
Erick Calderon

Date

12/11/01

<b>Form PTO 1449</b>  <b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>  <b>Information Disclosure Statement by Applicant</b>	<b>ATTY. DOCKET NUMBER</b> <del>P-1070</del> 21101.000443	<b>SERIAL NUMBER</b> <del>Filed Herewith</del> Not Assigned
	<b>APPLICANT</b> Bock, et al.	
	<b>FILING DATE</b> Filed Herewith	<b>GROUP</b>

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10/014658  
12/11/01

## U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	US Patent 5,618,713	April 8, 1997	Zettlmeissl	435	226	
	US Patent 5,420,252	May 30, 1995	Kato, et al.	530	393	

## Foreign Patent Documents

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 91/00291	January 10, 1991	PCT				

## Other Documents

	Bock <i>et al</i> , 10 <i>Nucleic Acids Res.</i> 8113 (1982) Jochum <i>et al</i> , 362 <i>Hoppe-Seyler's Z. Physiol. Chem.</i> 103 (1981)
	Carrell and Owen, 317 <i>Nature</i> 730 (1985) Jordan <i>et al</i> , 237 <i>Science</i> 777 (1987)
	Cunningham <i>et al</i> , 88 <i>Thrombosis Res</i> 171 (1997) Bick <i>et al</i> , 73 <i>Am. J. Clin. Path.</i> 577 (1980)
	Vinazzer, 1 <i>Clin. Appl. Thrombosis/Hemostasis</i> 62 (1995)
EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant	

<b>Form PTO 1449</b>  <b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>  <b>Information Disclosure Statement by Applicant</b>	<b>ATTY. DOCKET NUMBER</b> <del>P-1070</del> 21101.000423	<b>SERIAL NUMBER</b> <del>09/305,588</del> Not Assigned
	<b>APPLICANT</b> Bock, et al.	
	<b>FILING DATE</b> May 5, 1999 Hercwith	<b>GROUP</b>

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## U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	US Patent 5,618,713	April 8, 1997	Zettlmeissl	435	226	
	US Patent 5,700,663	Dec 23, 1997	Zettlmeissl, et al.	435	69.6	
	US Patent 5,420,252	May 30, 1995	Kato, et al.	530	393	

## Foreign Patent Documents

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						Yes	No
	WO 91/00291	January 10, 1991	PCT				

## Other Documents

	Brennan et al., 219 <i>FEBS Lett.</i> 431 (1987) Picard et al., 34 <i>Biochemistry</i> 8433 (1995)
	Carrell and Owen, 317 <i>Nature</i> 730 (1985) Cunningham et al, 88 <i>Thrombosis Res</i> 171 (1997)

EXAMINER	DATE CONSIDERED
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Form PTO 1449  U.S. Department of Commerce Patent and Trademark Office  Information Disclosure Statement by Applicant	ATTY. DOCKET NUMBER:	SERIAL NUMBER:
	<del>P-1070</del> 21101.0004u3	<del>09/305,588</del> Not Assigned
	APPLICANTS: Bock, Zendeherouh & Picard	
	FILING DATE:	GROUP:
	May 5, 1999 Hecwith	1646

#### U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

#### Foreign Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

#### Other Documents

EXAMINER INITIAL	DOCUMENT DETAILS
	69 <sup>th</sup> Scientific Sessions. Abstract No. 4336, KATO et al. 'Recombinant Antithrombin III Mutants with Enhanced Antithrombin Activity without Heparin.' 1996, Vol. 94, No. 8 suppl., page I-741.
	Stephens, et al. Site-directed Mutagenesis of the Reactive Center (Serine 394) of Antithrombin III. J. Biol. Chem. 05 November 1988, Vol. 263, No. 31, pages 15849-15852.

Examiner:		Date Considered:	
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

# APPLICANT

## Notice of References Cited

Application/Control No.

09/305,588

21101.00043

Applicant(s)/Patent Under Reexamination  
BOCK ET AL.

Examiner

Holly Schnizer

Art Unit

4653

Page 1 of 1

### U.S. PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	DOCUMENT SOURCE **	
							APS	OTHER
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### FOREIGN PATENT DOCUMENTS

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### NON-PATENT DOCUMENTS

*		DOCUMENT (Including Author, Title Date, Source, and Pertinent Pages)	DOCUMENT SOURCE **	
			APS	OTHER
<input type="checkbox"/>	U	Cunningham et al. Development of an Elastase-Resistant antithrombin through mutagenesis at P4. (1995) Blood 86(10) SUPPL. p. 357A.	<input type="checkbox"/>	<input type="checkbox"/>
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\*A copy of this reference is not being furnished with this Office action. (See Manual of Patent Examining Procedure, Section 707.05(a).)

\*\*APS encompasses any electronic search i.e. text, image, and Commercial Databases.

U.S. Patent and Trademark Office

PTO-892 (Rev. 03-98)

Notice of References Cited

Part of Paper No.